OPEN FILE REPORT 79-117 UNITED STATES CRESTON JUNCTION QUADRANGLE DEPARTMENT OF THE INTERIOR WYOMING PLATE 27 OF 43 GEOLOGICAL SURVEY 7.5 MINUTE SERIES (TOPOGRAPHIC) 107°45′ 41°45′ 107°37′30″ 41°45′ EXPLANATION 36 31 32 34 33 35 36 OVERBURDEN ISOPACHS - Showing thickness of overburden, in feet, from the surface to the top of the coal bed. Dashed where vertical accuracy possibly not within 40 feet. Isopach interval is 50 feet (15.24 m) over strippable coal and 200 feet (60.96 m) beyond the stripping-limit line. T. 21 N. T. 21 N. T. 20 N. 0 240 DRILL HOLE - Showing thickness of over-burden, in feet, from the surface to the top of the coal bed. T. 20 N. MINING-RATIO CONTOUR - Number indicates cubic yards of overburden per ton of recoverable coal by surface mining methods. Contours shown only in areas underlain by coal of Reserve Base thickness within the stripping-limit (in this quadrangle, the 200-foot-overburden isopach). HB - Horse Butte (E) of Upper Fort Union 11 COAL BED SYMBOL AND NAME 12 TRACE OF COAL BED OUTCROP - Showing symbol of name of coal bed as listed above. Dashed where inferred; short dashed where inferred by present authors. TRACE OF FAULT - Bar and ball on downthrown side when direction of movement is known. Dashed where inferred or approximately located. To convert feet to meters, multiply feet by 0.3048. 13 14 18 17 16 42'30" 15 42'30" To convert mining ratio to cubic meters of overburden per metric ton of recoverable coal, multiply mining ratio by 0.8428. 23 T. 20 N. 15 17 16 15 18 41°37′30″ 107°37′30″ (SEAVERSON RESERVOIR) 4467 II SW 42'30" R. 92 W. R. 91 W. 107°45′ SCALE 1:24000 Base from U.S. Geological Survey, 1966 Compiled in 1978 This report has not been edited for conformity with U.S. Geological WYOMING Survey editorial standards or stratigraphic nomenclature. UTM GRID AND 1966 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET QUADRANGLE LOCATION

COAL RESOURCE OCCURRENCE MAP OF THE CRESTON JUNCTION QUADRANGLE, SWEETWATER AND CARBON COUNTIES, WYOMING BY

BY DAMES & MOORE 1979 PLATE 27

OVERBURDEN ISOPACH AND MINING RATIO MAP OF THE HORSE BUTTE (E) COAL BED